CBQCA Reagent [3-(4-carboxybenzoyl)quinoline-2-carboxaldehyde]

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Packaging Size</th>
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<tbody>
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<td>C300</td>
<td>10 mg</td>
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Storage upon receipt: -20°C, protect from light

Introduction

The CBQCA reagent (Known as ATTO-TAG™, Trade Mark of Molecular Probes) reacts specifically with primary amines to form conjugates that can be analyzed by electrophoretic or chromatographic methods. The resulting products of CBQCA are maximally excited at 450 nm and have emission maxima at ~550 nm. In capillary zone electrophoresis (CZE), the sensitivity of detection of CBQCA conjugates should be in the attomole range (10^{-18} moles). The high sensitivity, freedom from background and long-wavelength excitability make these potential reagents for researcher, diagnostic and forensic applications.

Specifications

- Label: ATTO-TAG
- Ex/Em: 450/550 nm
- Detection Method: Fluorescent
- Solubility: DMSO, DMF
- Molecular Formula: C_{18}H_{11}NO_{4}
- Molecular Weight: 305.29
- CAS Number: -
- Storage Conditions: -20°C, protect from light
- Shipping Condition: Room Temperature

Applications

Fluorescent labeling

References:
